

CLAIMS

1. An information transmitting apparatus comprising:
an information storage part for storing information;
5 a sensing part for sensing a mobile condition of the information transmitting apparatus ; and
an information transmission part for changing an information transmittable distance based on the mobile condition, then transmitting the information.

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2. The information transmitting apparatus of claim 1, wherein the mobile condition is at least one mobile condition selected from the group consisting of a moving speed, moving acceleration, a traveling distance, and a traveling route of the information transmitting apparatus, wherein the sensing
15 part senses the mobile condition.

3. The information transmitting apparatus of claim 1, wherein the information transmission part is a communication means in accordance with the Bluetooth standard.

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4. The information transmitting apparatus of claim 1, wherein the information transmission part divides the mobile condition into a plurality of ranks, and transmits the stored information by a predetermined power according to each one of the ranks.

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5. The information transmitting apparatus of claim 1, wherein the information transmission part divides the mobile condition into a plurality of

ranks, and changes a transmittable distance in each one of the ranks for transmitting the stored information.

5 6. The information transmitting apparatus of claim 1, wherein the sensing part senses at least one mobile condition selected from the group consisting of a moving speed, moving acceleration, a traveling distance, and a traveling route of the information transmitting apparatus, and wherein the information transmission part divides the mobile condition into a plurality of ranks, and changes a transmittable distance in each one of the ranks for
10 transmitting the stored information.

7. An operation apparatus comprising:

an information reception part for receiving information from an information transmitting apparatus which comprises:

15 an information storage part for storing information;
a sensing part for sensing a mobile condition of the information transmitting apparatus ; and

an information transmission part for changing an information transmittable distance based on the mobile condition, then transmitting the
20 information,

an authentication part for carrying out authentication based on the received information; and

an operation part for carrying out a predetermined action when the authentication part issues a permission of authentication.

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8. The operation apparatus of claim 7, wherein the apparatus is an automatic door and the operation part opens the door.

9. An information processing system comprising:

an information transmitting apparatus including:

an information storage part for storing information;

5 a sensing part for sensing a mobile condition of the information transmitting apparatus; and

an information transmission part for changing an information transmittable distance based on the mobile condition, then transmitting the information, and

10 an operation apparatus including:

an information reception part for receiving information from the information transmitting apparatus;

an authentication part for carrying out authentication based on the received information; and

15 an operation part for carrying out a predetermined action when the authentication part issues a permission of authentication.

10. The information processing system of claim 9, wherein the mobile condition is at least one mobile condition selected from the group consisting of a moving speed, moving acceleration, a traveling distance, and a traveling route of the information transmitting apparatus, wherein the sensing part senses the mobile condition, and the information transmission part is a communication means in accordance with a Bluetooth standard.

25 11. The information processing system of claim 9, wherein the information transmission part divides the mobile condition into a plurality of ranks, and transmits the stored information by a predetermined power

according to each one of the ranks.

12. A program for a computer to execute thereof, the program comprising the steps of:

5 sensing a mobile condition of an information transmitting apparatus; and

 transmitting the information with changing a transmission distance of stored information based on the mobile condition.

10 13. The program of claim 12, wherein the step of sensing is to sense at least one mobile condition selected from the group consisting of a moving speed, moving acceleration, a traveling distance, and a traveling route of the information transmitting apparatus.

15 14. The program of claim 12, wherein the step of sensing includes a step of sensing a moving speed of the information transmitting apparatus, and the step of transmitting includes a step of changing the transmission distance of the information based on the speed before transmitting the information.

20 15. The program of claim 12, wherein the step of sensing includes a step of sensing acceleration of the moving information transmitting apparatus, and the step of transmitting includes a step of changing the transmission distance of the information based on the acceleration before transmitting the information.